

Product datasheet for **MR205712L4V**

Dapk2 (NM_010019) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dapk2 (NM_010019) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dapk2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010019
ORF Size:	1113 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205712).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_010019.3
RefSeq Size:	1792 bp
RefSeq ORF:	1113 bp
Locus ID:	13143
UniProt ID:	Q8VDF3
Cytogenetics:	9 35.75 cM



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Gene Summary:

Calcium/calmodulin-dependent serine/threonine kinase involved in multiple cellular signaling pathways that trigger cell survival, apoptosis, and autophagy. Capable of regulating both type I apoptotic and type II autophagic cell death signals. The former involves caspase activation, chromatin and mitochondrial condensation while the latter involves caspase-independent cell death in conjunction with accumulation of mature autophagic vesicles, plasma membrane blebs, and nuclear condensation without DNA degradation. Mediator of anoikis and a suppressor of beta-catenin-dependent anchorage-independent growth of malignant epithelial cells. May play a role in granulocytic maturation (By similarity). Regulates granulocytes motility by controlling cell spreading and polarization (PubMed:24163421). [UniProtKB/Swiss-Prot Function]